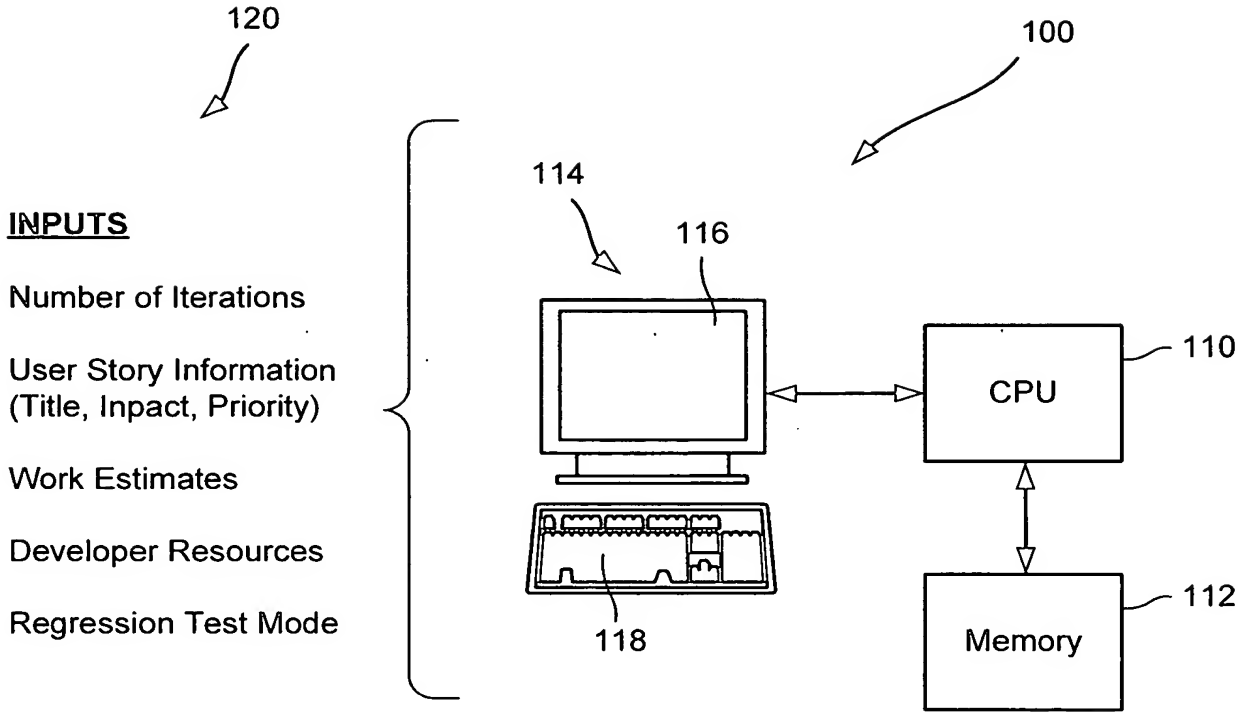

120
100
INPUTS
Number of Iterations
User Story Information
(Title, Inpact, Priority)
Work Estimates
Developer Resources
Regression Test Mode
114
116
118
CPU
110
Memory
112

FIG. 1

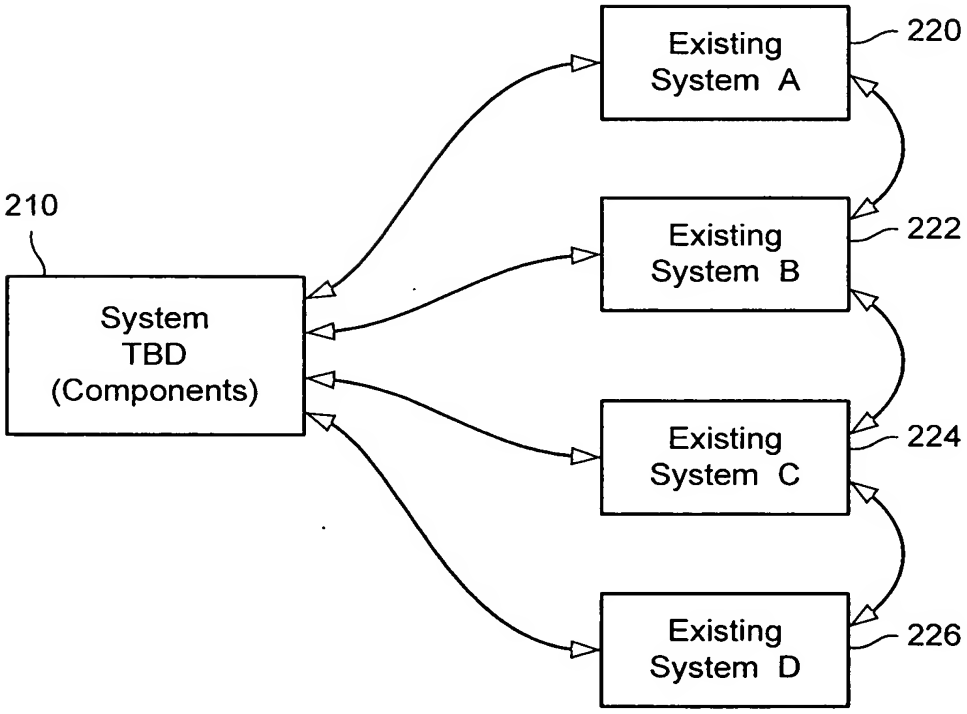

210
System
TBD
(Components)
Existing
System A
220
Existing
System B
222
Existing
System C
224
Existing
System D
226

FIG. 2

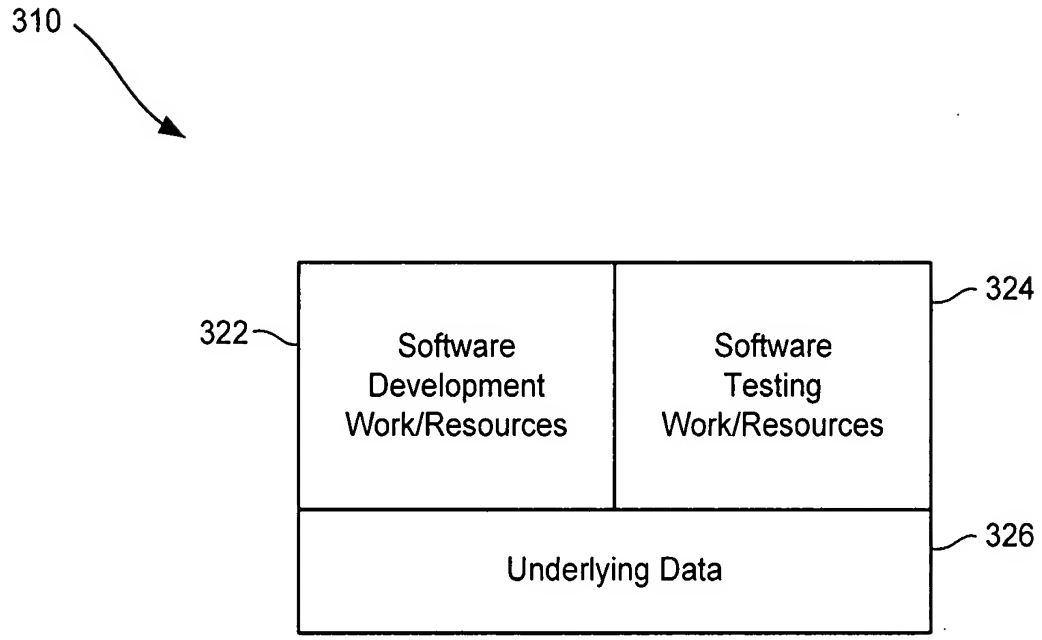
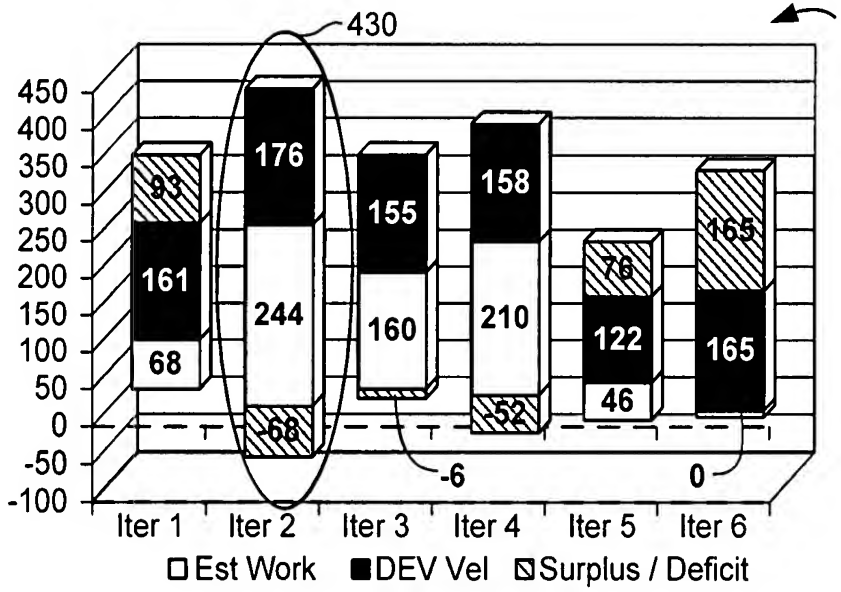
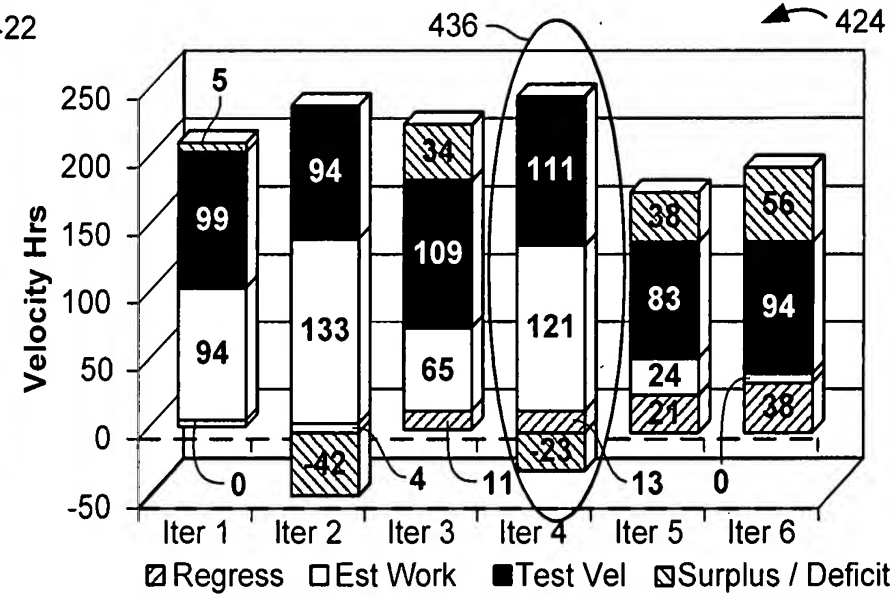

310
322
Software Development Work/Resources
Software Testing Work/Resources
324
326
Underlying Data

FIG. 3





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	User Story Title	Impact	In Plan?	Iter #	Priority	Total	DEV	TEST
1	Add "Package Edit" Logic	BU	Y	4	Med	84.0	70.0	14.0
2	Update "Package Display" Screen	BU	Y	4	Med	33.0	20.0	13.0
3	Batch Support for "Package Edit"	BU	Y	4	Med	90.0	60.0	30.0
4	IB Adapter	IT	Y	2	HI	139.0	108.0	31.0
5	Masterfile Access	IT	Y	3	HI	104.0	76.0	28.0
6	Re-Sync Feature for Daily Updates	BU	Y	2	HI	131.0	80.0	51.0
7	New Small Business Screen	BU	Y	2	Med	38.0	24.0	14.0
8	DSL Accessories Items	BU	Y	2	HI	69.0	32.0	37.0
9	DSL Packaging Logic	BU	Y	1	HI	83.0	40.0	43.0
10	Staging Server Daily Update	BU	Y	3	HI	121.0	84.0	37.0
11	CDW Inputs to Staging Server	bu	Y	1	HI	79.0	28.0	51.0
12	Staging Server Weekly Updates	BU	Y	4	Med	64.0	32.0	32.0
13	Add "Existing Orders" Edits	BU	Y	4	Low	32.0	12.0	20.0
14	Add "In Progress" Fields to Table	BU	Y	5	Med	36.0	24.0	12.0
15	Add "Action Now" Fields to Table	BU	Y	5	Med	34.0	22.0	12.0
16	Modify "Pending" Fields to Table	BU	Y	4	Med	28.0	16.0	12.0

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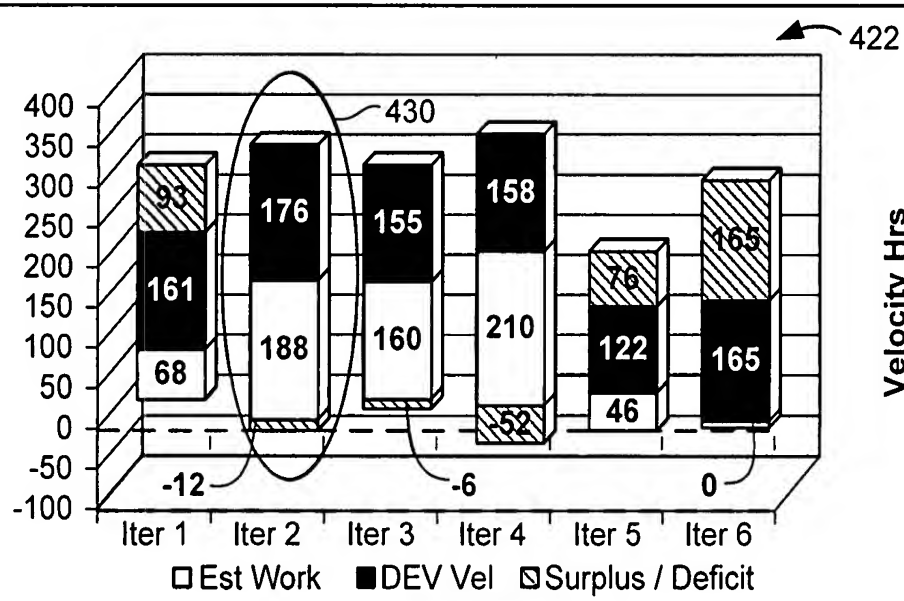
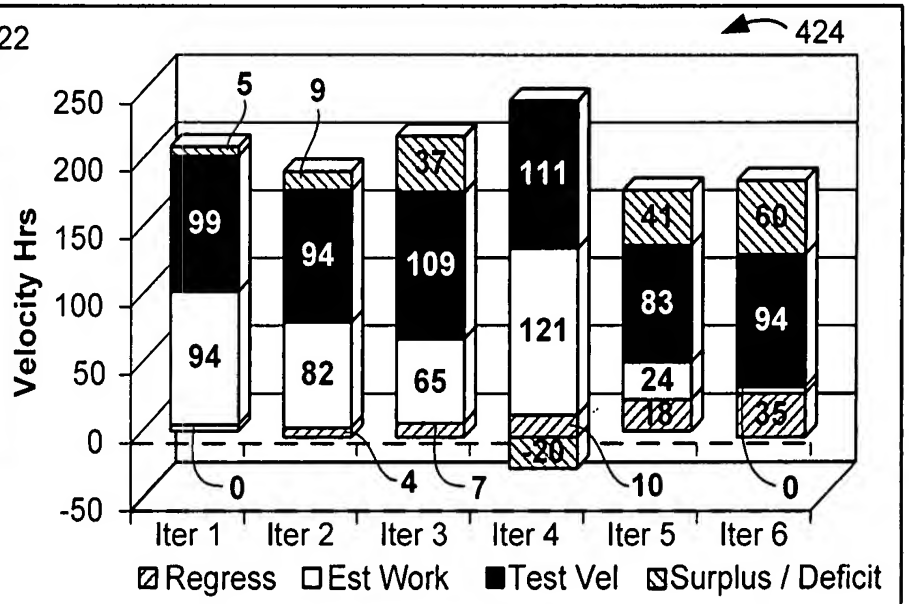
FIG. 4





426

	User Story Title	Impact	In Plan?	Iter #	Priority	Total	DEV	TEST
1	Add "Package Edit" Logic	BU	Y	4	Med	84.0	70.0	14.0
2	Update "Package Display" Screen	BU	Y	4	Med	33.0	20.0	13.0
3	Batch Support for "Package Edit"	BU	Y	4	Med	90.0	60.0	30.0
4	IB Adapter	IT	Y	2	HI	139.0	108.0	31.0
5	Masterfile Access	IT	Y	3	HI	104.0	76.0	28.0
6	Re-Sync Feature for Daily Updates	BU	Y	2	HI	131.0	80.0	51.0
7	~~New Small Business Screen~~	BU	N	2	Med	0.0	0.0	0.0
8	~~DSL Accessories Items~~	BU	N	2	HI	0.0	0.0	0.0
9	DSL Packaging Logic	BU	Y	1	HI	83.0	40.0	43.0
10	Staging Server Daily Update	BU	Y	3	HI	121.0	84.0	37.0
11	CDW Inputs to Staging Server	bu	Y	1	HI	79.0	28.0	51.0
12	Staging Server Weekly Updates	BU	Y	4	Med	64.0	32.0	32.0
13	Add "Existing Orders" Edits	BU	Y	4	Low	32.0	12.0	20.0
14	Add "In Progress" Fields to Table	BU	Y	5	Med	36.0	24.0	12.0
15	Add "Action Now" Fields to Table	BU	Y	5	Med	34.0	22.0	12.0
16	Modify "Pending" Fields to Table	BU	Y	4	Med	28.0	16.0	12.1

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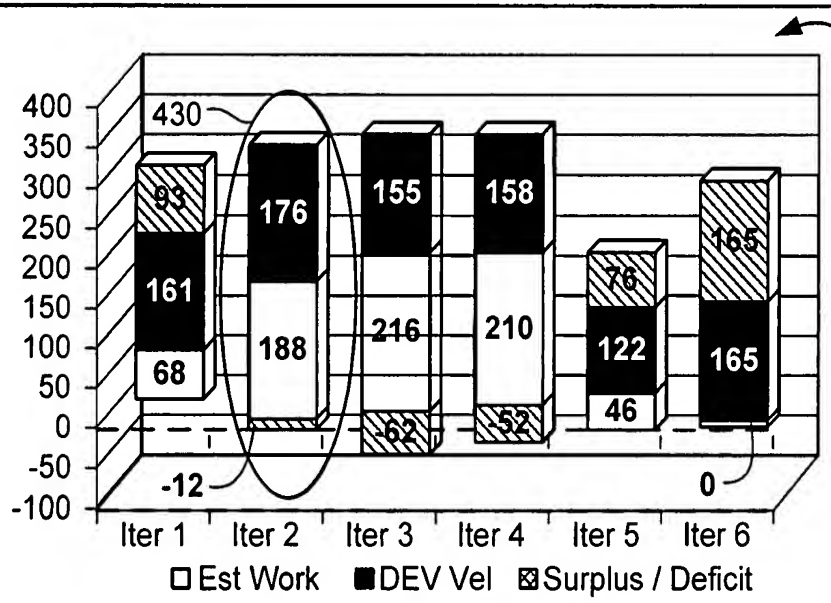
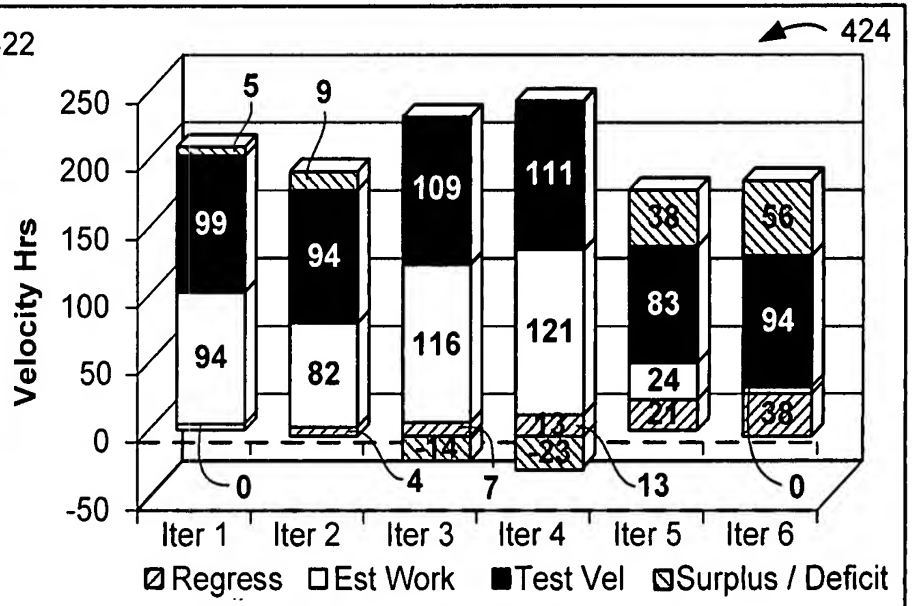
FIG. 5





426

	User Story Title	Impact	In Plan?	Iter #	Priority	Total	DEV	TEST
1	Add "Package Edit" Logic	BU	Y	4	Med	84.0	70.0	14.0
2	Update "Package Display" Screen	BU	Y	4	Med	33.0	20.0	13.0
3	Batch Support for "Package Edit"	BU	Y	4	Med	90.0	60.0	30.0
4	IB Adapter	IT	Y	2	HI	139.0	108.0	31.0
5	Masterfile Access	IT	Y	3	HI	104.0	76.0	28.0
6	Re-Sync Feature for Daily Updates	BU	Y	2	HI	131.0	80.0	51.0
7	New Small Business Screen	BU	Y	3	Med	38.0	24.0	14.0
8	DSL Accessories Items	BU	Y	3	HI	69.0	32.0	37.0
9	DSL Packaging Logic	BU	Y	1	HI	83.0	40.0	43.0
10	Staging Server Daily Update	BU	Y	3	HI	121.0	84.0	37.0
11	CDW Inputs to Staging Server	bu	Y	1	HI	79.0	28.0	51.0
12	Staging Server Weekly Updates	BU	Y	4	Med	64.0	32.0	32.0
13	Add "Existing Orders" Edits	BU	Y	4	Low	32.0	12.0	20.0
14	Add "In Progress" Fields to Table	BU	Y	5	Med	36.0	24.0	12.0
15	Add "Action Now" Fields to Table	BU	Y	5	Med	34.0	22.0	12.0
16	Modify "Pending" Fields to Table	BU	Y	4	Med	28.0	16.0	12.0

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FIG. 6

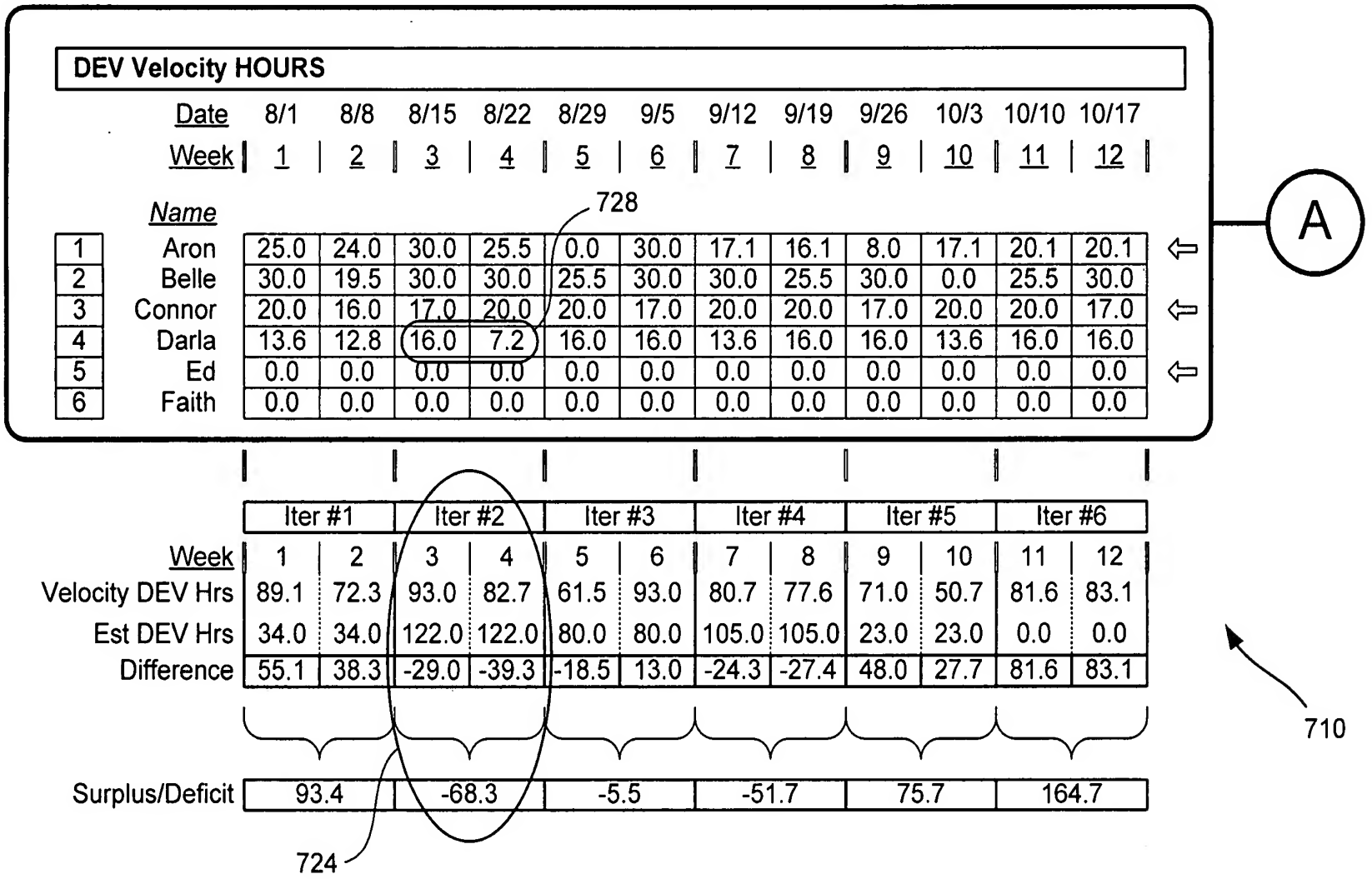

DEV Velocity HOURS
Date 8/1 8/8 8/15 8/22 8/29 9/5 9/12 9/19 9/26 10/3 10/10 10/17
Week 1 2 3 4 5 6 7 8 9 10 11 12
728
Name
1 Aron 25.0 24.0 30.0 25.5 0.0 30.0 17.1 16.1 8.0 17.1 20.1 20.1
2 Belle 30.0 19.5 30.0 30.0 25.5 30.0 30.0 25.5 30.0 0.0 25.5 30.0
3 Connor 20.0 16.0 17.0 20.0 20.0 17.0 20.0 20.0 17.0 20.0 20.0 17.0
4 Darla 13.6 12.8 16.0 7.2 16.0 16.0 13.6 16.0 16.0 13.6 16.0 16.0
5 Ed 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
6 Faith 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
A
Iter #1 Iter #2 Iter #3 Iter #4 Iter #5 Iter #6
Week 1 2 3 4 5 6 7 8 9 10 11 12
Velocity DEV Hrs 89.1 72.3 93.0 82.7 61.5 93.0 80.7 77.6 71.0 50.7 81.6 83.1
Est DEV Hrs 34.0 34.0 122.0 122.0 80.0 80.0 105.0 105.0 23.0 23.0 0.0 0.0
Difference 55.1 38.3 -29.0 -39.3 -18.5 13.0 -24.3 -27.4 48.0 27.7 81.6 83.1
Surplus/Deficit 93.4 -68.3 -5.5 -51.7 75.7 164.7
724
710

FIG. 7A

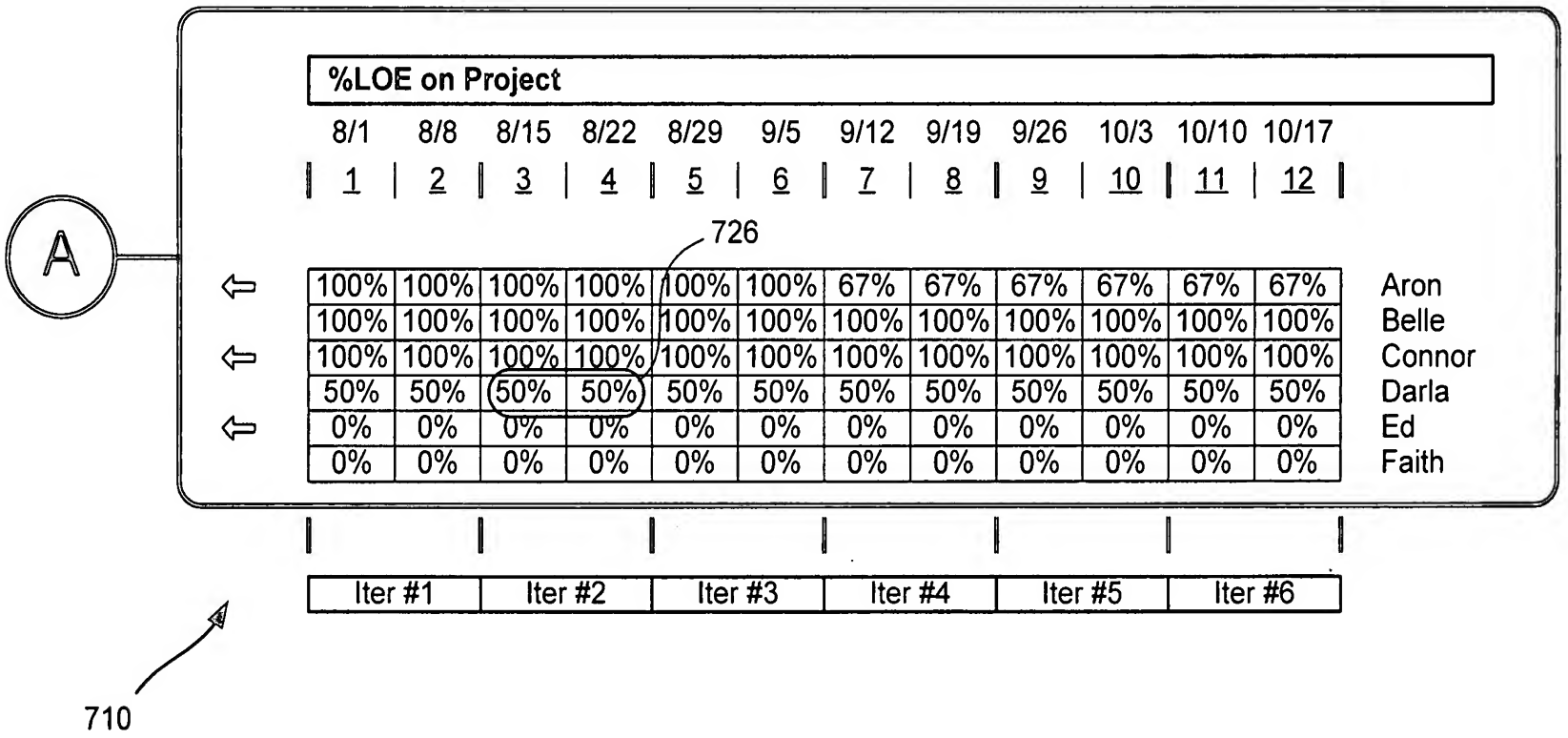

%LOE on Project
8/1 8/8 8/15 8/22 8/29 9/5 9/12 9/19 9/26 10/3 10/10 10/17
1 2 3 4 5 6 7 8 9 10 11 12
726
A
100% 100% 100% 100% 100% 100% 67% 67% 67% 67% 67% 67% Aron
100% 100% 100% 100% 100% 100% 100% 100% 100% 100% 100% 100% Belle
100% 100% 100% 100% 100% 100% 100% 100% 100% 100% 100% 100% Connor
50% 50% 50% 50% 50% 50% 50% 50% 50% 50% 50% 50% Darla
0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% Ed
0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% Faith
Iter #1 Iter #2 Iter #3 Iter #4 Iter #5 Iter #6
710

FIG. 7B

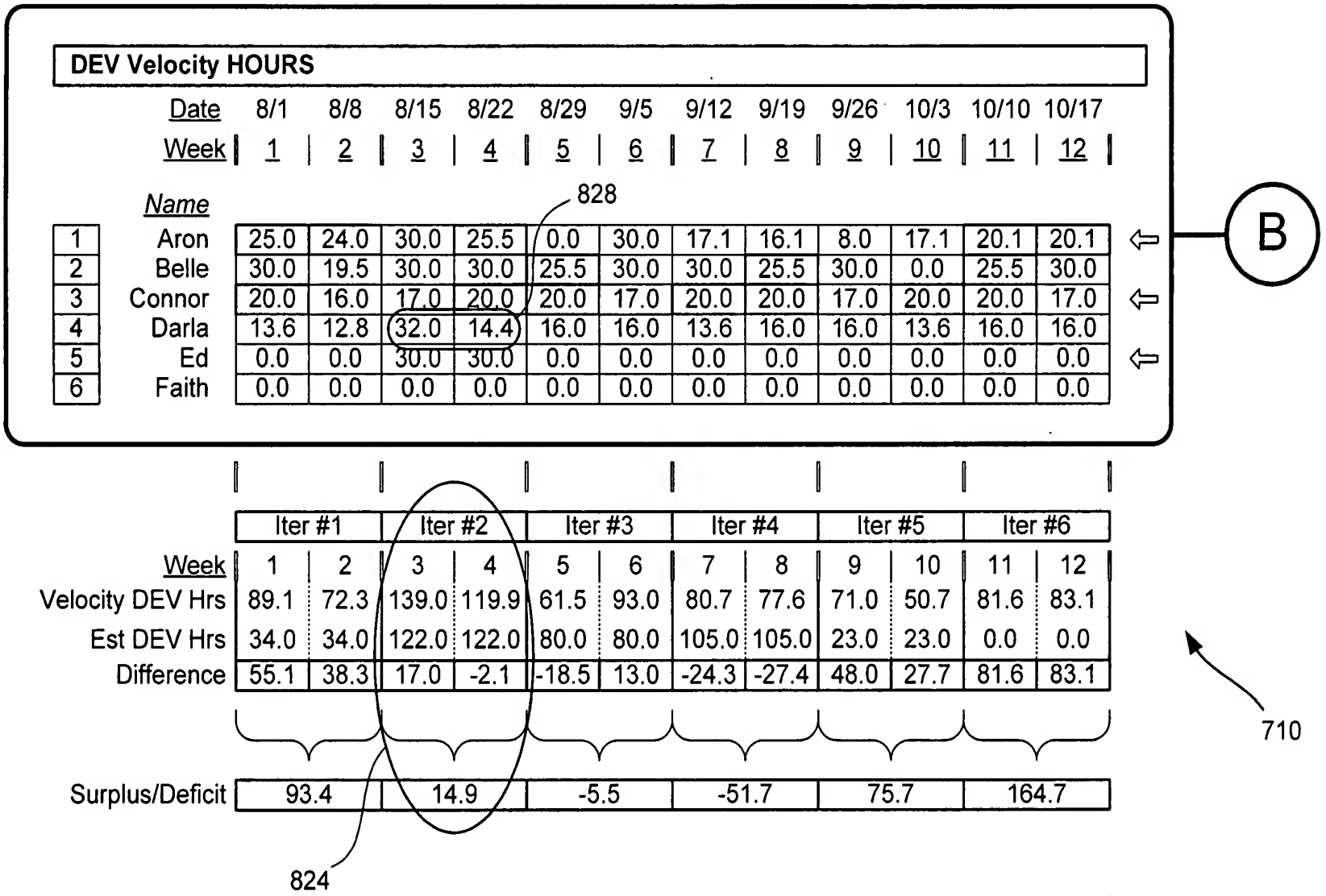

DEV Velocity HOURS
Date 8/1 8/8 8/15 8/22 8/29 9/5 9/12 9/19 9/26 10/3 10/10 10/17
Week 1 2 3 4 5 6 7 8 9 10 11 12
828
Name
1 Aron 25.0 24.0 30.0 25.5 0.0 30.0 17.1 16.1 8.0 17.1 20.1 20.1
2 Belle 30.0 19.5 30.0 30.0 25.5 30.0 30.0 25.5 30.0 0.0 25.5 30.0
3 Connor 20.0 16.0 17.0 20.0 20.0 17.0 20.0 20.0 17.0 20.0 20.0 17.0
4 Darla 13.6 12.8 32.0 14.4 16.0 16.0 13.6 16.0 16.0 13.6 16.0 16.0
5 Ed 0.0 0.0 30.0 30.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
6 Faith 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
B
Iter #1 Iter #2 Iter #3 Iter #4 Iter #5 Iter #6
Week 1 2 3 4 5 6 7 8 9 10 11 12
Velocity DEV Hrs 89.1 72.3 139.0 119.9 61.5 93.0 80.7 77.6 71.0 50.7 81.6 83.1
Est DEV Hrs 34.0 34.0 122.0 122.0 80.0 80.0 105.0 105.0 23.0 23.0 0.0 0.0
Difference 55.1 38.3 17.0 -2.1 -18.5 13.0 -24.3 -27.4 48.0 27.7 81.6 83.1
Surplus/Deficit 93.4 14.9 -5.5 -51.7 75.7 164.7
824
710

FIG. 8A

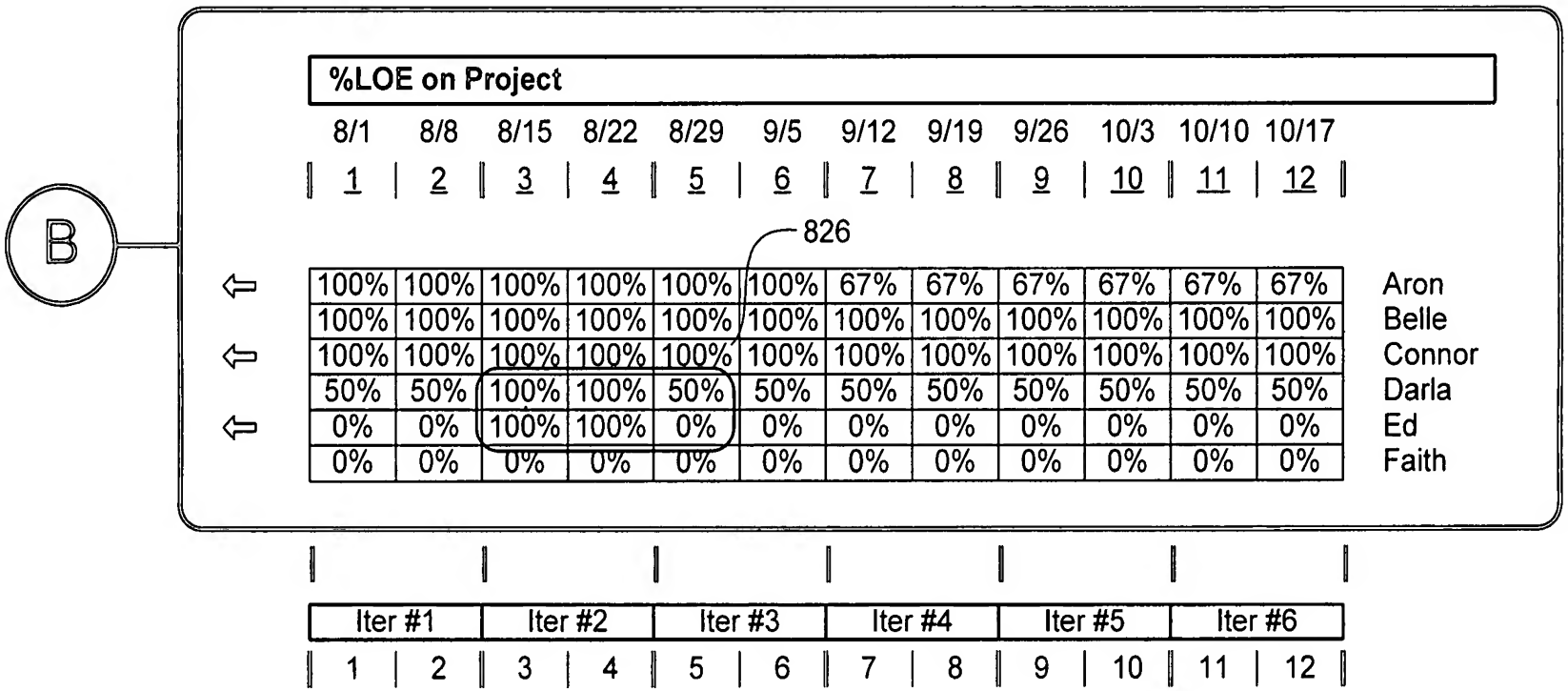
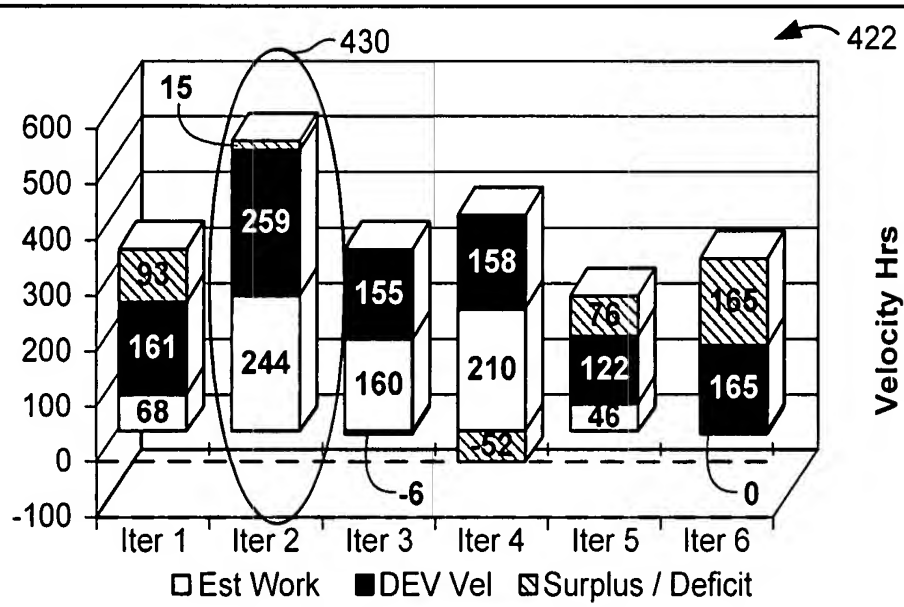
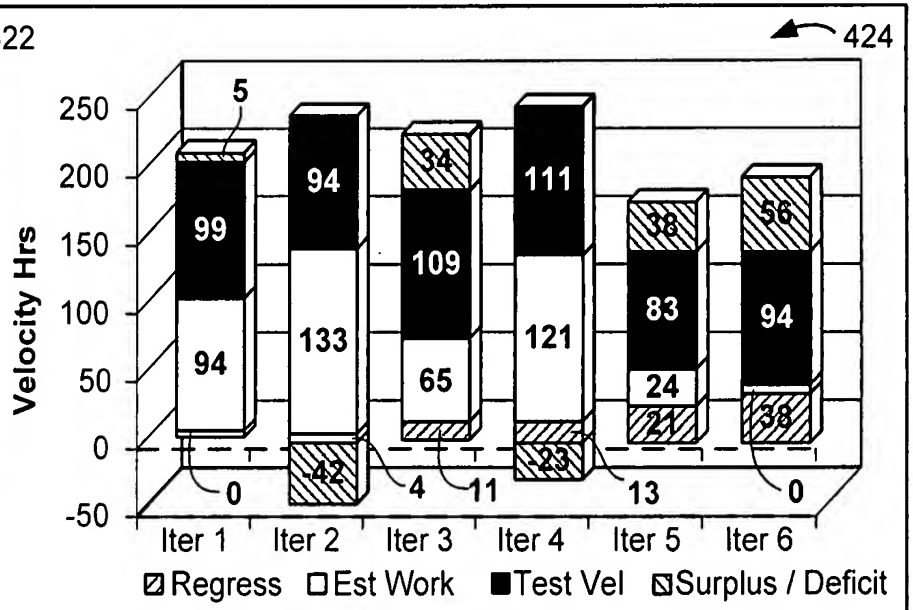

B
%LOE on Project
8/1 8/8 8/15 8/22 8/29 9/5 9/12 9/19 9/26 10/3 10/10 10/17
1 2 3 4 5 6 7 8 9 10 11 12
826
100% 100% 100% 100% 100% 100% 67% 67% 67% 67% 67% 67% Aron
100% 100% 100% 100% 100% 100% 100% 100% 100% 100% 100% 100% Belle
100% 100% 100% 100% 100% 100% 100% 100% 100% 100% 100% 100% Connor
50% 50% 100% 100% 50% 50% 50% 50% 50% 50% 50% 50% Darla
0% 0% 100% 100% 0% 0% 0% 0% 0% 0% 0% 0% Ed
0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% Faith
Iter #1 Iter #2 Iter #3 Iter #4 Iter #5 Iter #6
1 2 3 4 5 6 7 8 9 10 11 12

FIG. 8B

710





426

	User Story Title	Impact	In Plan?	Iter #	Priority	Total	DEV	TEST
1	Add "Package Edit" Logic	BU	Y	4	Med	84.0	70.0	14.0
2	Update "Package Display" Screen	BU	Y	4	Med	33.0	20.0	13.0
3	Batch Support for "Package Edit"	BU	Y	4	Med	90.0	60.0	30.0
4	IB Adapter	IT	Y	2	HI	139.0	108.0	31.0
5	Masterfile Access	IT	Y	3	HI	104.0	76.0	28.0
6	Re-Sync Feature for Daily Updates	BU	Y	2	HI	131.0	80.0	51.0
7	New Small Business Screen	BU	Y	2	Med	38.0	24.0	14.0
8	DSL Accessories Items	BU	Y	2	HI	69.0	32.0	37.0
9	DSL Packaging Logic	BU	Y	1	HI	83.0	40.0	43.0
10	Staging Server Daily Update	BU	Y	3	HI	121.0	84.0	37.0
11	CDW Inputs to Staging Server	bu	Y	1	HI	79.0	28.0	51.0
12	Staging Server Weekly Updates	BU	Y	4	Med	64.0	32.0	32.0
13	Add "Existing Orders" Edits	BU	Y	4	Low	32.0	12.0	20.0
14	Add "In Progress" Fields to Table	BU	Y	5	Med	36.0	24.0	12.0
15	Add "Action Now" Fields to Table	BU	Y	5	Med	34.0	22.0	12.0
16	Modify "Pending" Fields to Table	BU	Y	4	Med	28.0	16.0	12.0

410

FIG. 9

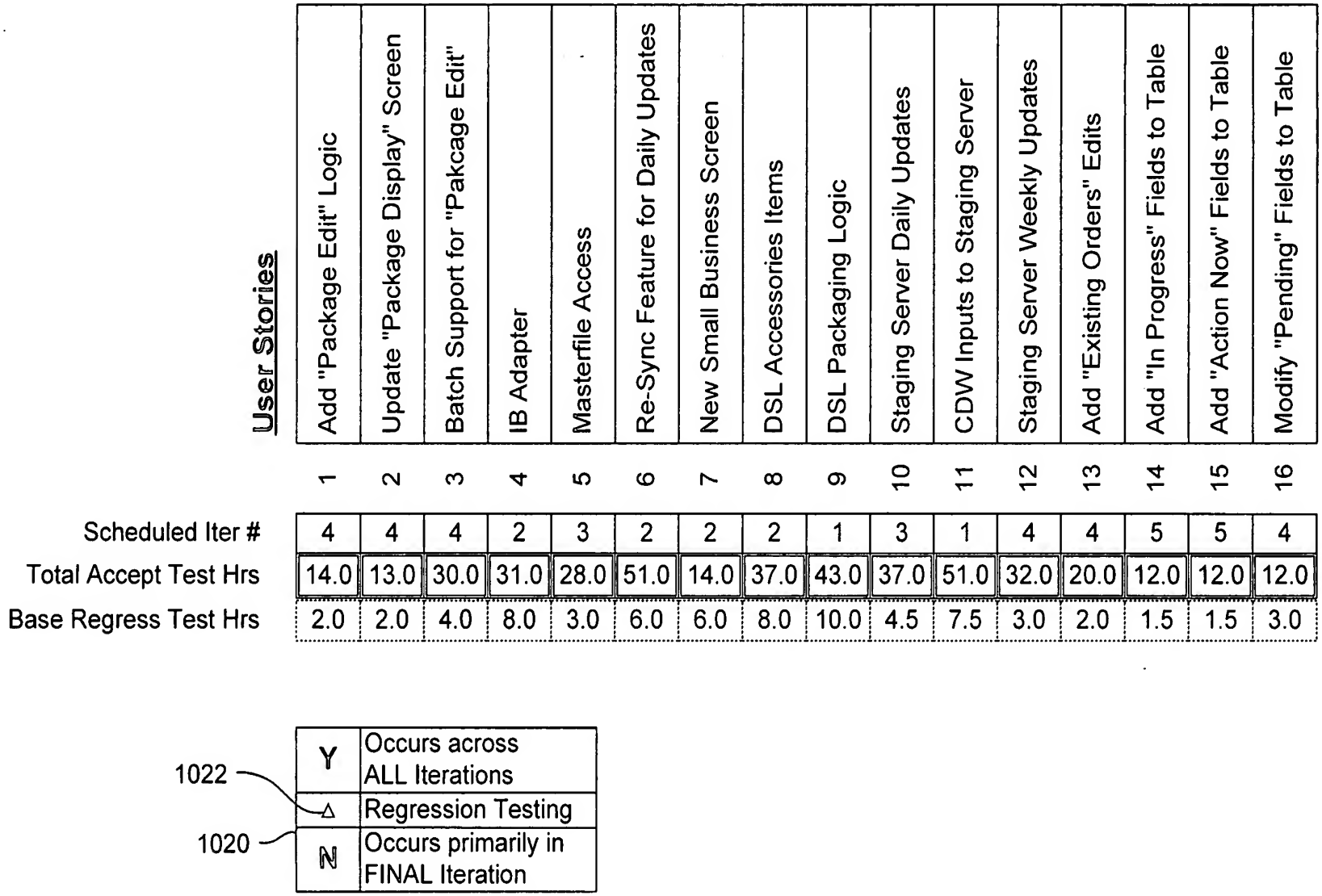

User Stories
Add "Package Edit" Logic
Update "Package Display" Screen
Batch Support for "Pakcage Edit"
IB Adapter
Masterfile Access
Re-Sync Feature for Daily Updates
New Small Business Screen
DSL Accessories Items
DSL Packaging Logic
Staging Server Daily Updates
CDW Inputs to Staging Server
Staging Server Weekly Updates
Add "Existing Orders" Edits
Add "In Progress" Fields to Table
Add "Action Now" Fields to Table
Modify "Pending" Fields to Table
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
Scheduled Iter # 4 4 4 2 3 2 2 2 1 3 1 4 4 5 5 4
Total Accept Test Hrs 14.0 13.0 30.0 31.0 28.0 51.0 14.0 37.0 43.0 37.0 51.0 32.0 20.0 12.0 12.0 12.0
Base Regress Test Hrs 2.0 2.0 4.0 8.0 3.0 6.0 6.0 8.0 10.0 4.5 7.5 3.0 2.0 1.5 1.5 3.0
Y Occurs across ALL Iterations
1022
Δ Regression Testing
1020
N Occurs primarily in FINAL Iteration

FIG. 10

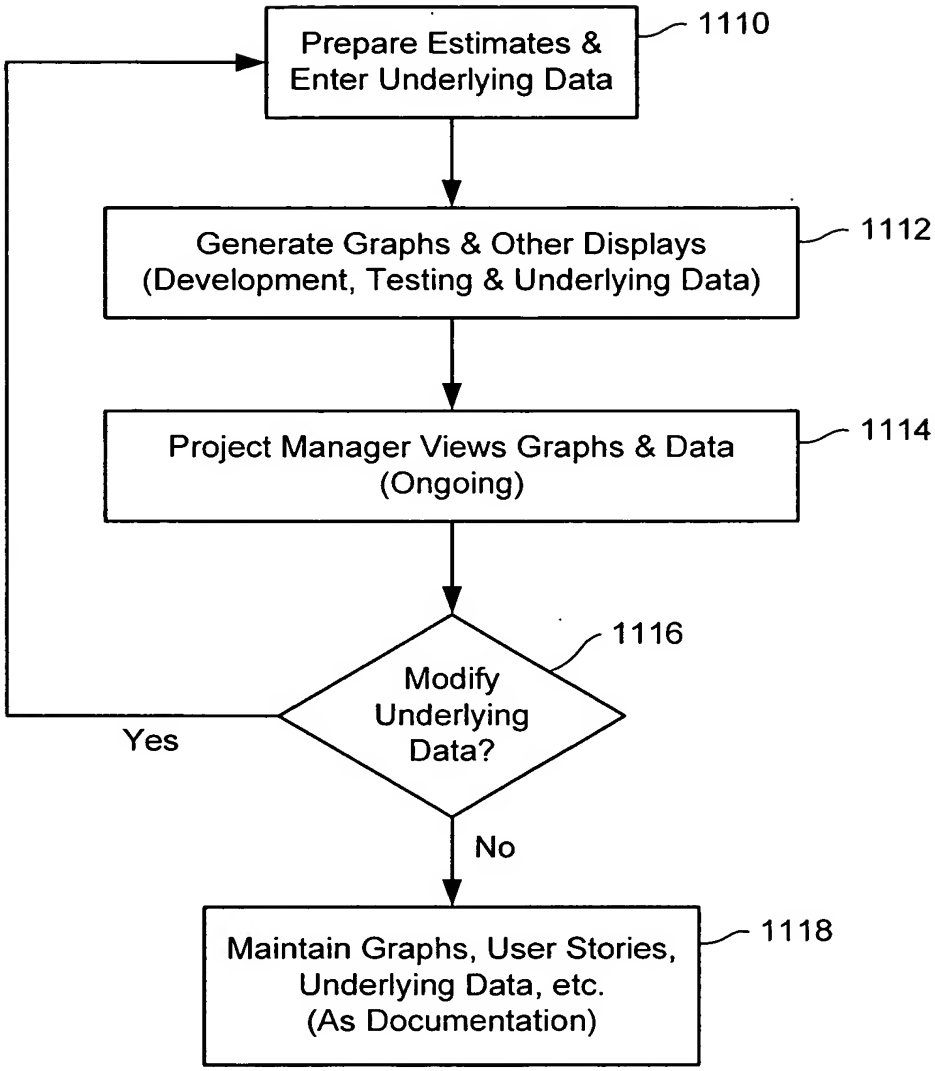

Prepare Estimates & Enter Underlying Data
1110
Generate Graphs & Other Displays (Development, Testing & Underlying Data)
1112
Project Manager Views Graphs & Data (Ongoing)
1114
Modify Underlying Data?
1116
Yes
No
Maintain Graphs, User Stories, Underlying Data, etc. (As Documentation)
1118

FIG. 11